

# European Cooperative Programme for Crop Genetic Resources Networks (ECP/GR) - Phase VI

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**(October 2001) – Draft Mid-term Financial Report of Phase VI**

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**Cereals Network**  
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**Grain Legumes Network**  
**Industrial Crops and Potato Network**  
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## **Mid-term progress report of Phase VI**

(Background document for the Eighth ECP/GR Steering Committee meeting, St Petersburg, Russian Federation, 14-17 October 2001 - Agenda Item 1)

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### **1. Introduction**

The Eighth meeting of the ECP/GR Steering Committee, previously planned to be held in Israel in March 2001, was initially postponed for security reasons. It was eventually decided to organize the meeting in St Petersburg, Russian Federation and the dates were chosen not to conflict with meetings of the FAO Commission on PGRFA. National Coordinators from all member countries were invited to attend. A few coordinators asked to be accompanied by a technical assistant, attending on a self-funding basis. Focal persons from non-member countries of Europe were also invited to attend as observers, together with representatives of the Nordic Gene Bank and of the Non Governmental Organizations. Invitations were extended to self-funded observers from ASSINSEL, the European Commission, EuroMAB and FAO. A delegation of observers from IPGRI was also invited.

### **2. Implementation of Phase VI of ECP/GR**

As of the end of September 2001, a total of 31 countries formalized their membership to Phase VI of ECP/GR. A further 2 countries have not signed the Letter of Agreement, but annual contributions were paid. Two more countries (Iceland and Italy) continued to be involved into Phase VI, although their formal membership to ECP/GR has not been secured. This brings the total number of participating countries to 35 to date. Armenia joined ECP/GR in the year 2000 for the first time, while Albania, after its participation in Phase IV in 1992 and 1993, again joined ECP/GR in February 2001. Focal persons from potential member countries (Azerbaijan, Belarus, Georgia, Latvia, Moldova, Russia and Ukraine) have been invited to attend the Mid-term Steering Committee meeting as observers.

### **2. The new Network Coordinating Groups**

The main change in the mode of operation of the Networks, agreed by the Steering Committee during its Seventh meeting (Braunschweig, 1998), was the activation of Network Coordinating Groups to establish priorities for action for an extended range of crops to be covered by the Networks.

Coordinating Groups for the crop Networks were established and had their meetings during the first two years of Phase VI. The Network Coordinating Groups (NCGs) were composed of Chairs, Vice-Chairs and Database Managers in the case of the Cereals, Fruit, Vegetables and Industrial Crops and Potato Network. The Forages and Grain legumes Networks identified a few Working Group members who accepted the role of promoting activities and coordinating the rest of the Group. The Minor Crops Coordinating Group was made up of ten members suggested by the National Coordinators.

The establishment of these new bodies and especially the organization of the respective meetings have been effective in the following:

- 1) Extending collaborative action to, and gathering preliminary information on, a wide range of crops new to ECP/GR. (Solanaceae, cucurbits and leafy vegetables, minor cereals, minor fruits, medicinal and aromatic plants, flax)
- 2) Strengthening coordination and exchange information between Working Groups as well as between Networks (Minor Crops Network members participated in the Vegetables and the Cereals Network meeting, as well as being involved in the Fruit Network's activities)
- 3) Proposing and organizing small technical meetings (on *Beta* core collections, flax, barley base-broadening, vegetatively propagated *Allium*, *Arachis*, etc.).

The coordinating function of these bodies after their respective meetings has been effective to various degrees; however, it has often been conditioned by the support of the ECP/GR Secretariat. Therefore, while the number of proposals and initiatives has certainly increased in many directions, the expected self-organizing nature of the Coordinating Groups has often been limited.

#### **4. Summary of the Networks' activity**

(For more information, see 1999 and 2000 ECP/GR progress reports and mid-term reports from the Network members (Agenda Item 4).

##### **4.1 Cereals Network**

*Network Coordinating Group (NCG) - R. Ellis (United Kingdom); I. Faberová (Czech Republic); C. Germeier (Germany); D. Jelovac (F. R. Yugoslavia); G. Kleijer (Switzerland); H. Knüpfner (Germany); M. Leggett (United Kingdom); W. Podyma (Poland).*

*Working Group on Avena – Chair M. Leggett (United Kingdom)*

*Working Group on Barley – Chair: R. Ellis (United Kingdom); Vice-Chair: M. Veteläinen (Nordic Gene Bank)*

*Working Group on Wheat – Co-Chairs: A. Le Blanc (France) and I. Faberová (Czech Republic)*

The NCG met in Radzików, Poland (July 2000). The development of the databases, the promotion of a system for responsibility sharing throughout the Cereals Network and the recommendation that genebanks adopt quality standards were the highlights of the meeting. The Group proposed a reallocation of available funds, which enabled the following actions: (1) Funding of complementary activity of six non-EU countries (Cyprus, Czech Republic, Poland, Russia and Slovakia) to the EU funded Gen Res project meeting on barley; (2) Organization of the sixth meeting of the Working Group on Barley (Italy, December 2000), jointly with the Gen Res project meeting and followed by a small technical meeting on barley base-broadening.

The Barley WG highlighted the progress of the European Barley database and of the Barley Core Collection. A mechanism for sharing responsibilities was recommended.

The WG on *Avena* did not meet during Phase VI, although some of the members are involved in a EU Gen Res project on *Avena*.

##### **IPGRI publications:**

- Report of the meeting of the Cereals Network Coordinating Group, Radzików, Poland, July 2000;

##### **In preparation:**

- Report of the sixth meeting of the Working Group on Barley, Salsomaggiore, Italy, December 2000.

##### **OUTLOOK**

The first meeting of the Working Group on Wheat is planned in Prague, Czech Republic, November 2001. A plenary Cereals Network meeting is scheduled for 2003, to review progress made and to plan for the future. It was proposed that the Network meeting be preceded by a small technical satellite meeting, where experts in biometrics and statistics could address problems related to the standardization of evaluation data. The development of a consolidated proposal on barley base-broadening will require

further discussion within the Group. The Barley WG expressed interest in the preparation of a project proposal on the conservation of *in situ* wild relatives.

#### **4.2 Forages Network**

*Network Coordinating Group (NCG) - H. Aynalem (Israel); L. Horváth (Hungary); M. Hulden (Nordic Gene Bank); P. Marum (Norway); V. Negri (Italy); N.R. Sackville Hamilton (United Kingdom); M. Sevcíková (Czech Republic); E. Willner (Germany)*

*Working Group on Forages – Chair: P. Marum (Norway); Vice-Chair: R. Sackville Hamilton (United Kingdom)*

The Forages WG met in November 1999 in Portugal and decided to select a Network Coordinating Group among its members. Progress was made in the area of sharing responsibilities. A mechanism was agreed to provisionally identify Most Original Samples (MOS). Whenever the provisional MOS status is accepted, curators will also be asked to provisionally accept the accompanying responsibility for the maintenance of those accessions. Specific responsibilities for the MOS maintainer, the DB manager and the genebank hosting safety-duplicates were agreed. Genebanks were recommended to adopt the agreed regeneration standards, or otherwise to publish their own quality guidelines. A subgroup was defined to establish a procedure for redefining the *Lolium perenne* core collection and for defining a new *Medicago sativa* core collection. The development of the databases has been put on hold, due to the expectation that the European Plant Genetic Resources Information Infra-Structure (EPGRIS) project, once operational, will efficiently advance the collection of all the passport data.

The EU funded project ICONFORS, on “improving germplasm conservation methods for perennial European forages species” is a direct development of ECP/GR work and standards, and aims to definitively determine the optimum genetic and economic compromise between the quantity and quality of regeneration in the case of forages.

#### **IPGRI publications:**

- Report of the seventh meeting of the Working Group on Forages, Elvas, Portugal, November 1999.

#### **Electronic documents:**

- Report of the meeting of the provisional Forages Network Coordinating Group, Elvas, Portugal, November 1999: <http://www.ecpgr.cgiar.org/publications/ForagesNCG1.htm>.

#### **OUTLOOK**

No further meetings are currently planned within the Forages Network, although a small technical meeting to advance core collection work may be proposed in the near future.

#### **4.3 Vegetables Network**

*Network Coordinating Group (NCG) - G. Thomas - facilitator (France), D. Astley (United Kingdom), I. Boukema (the Netherlands), M.C. Daunay (France); J. Keller (Germany); T. Kotlinska (Poland); A. Lebeda (Czech Republic); F. Nuez (Spain); E. Rosa (Portugal)*

*Working Group on Allium – Chair: D. Astley (United Kingdom); Vice-Chair: J. Keller (Germany)*

*Working Group on Brassica – Chair G. Thomas (France) Vice Chair: E. Rosa (Portugal)*

*Working Group on Umbellifer crops – Chair: D. Astley (United Kingdom); Vice-Chair: T. Kotlinska (Poland);*

*Informal group on Solanaceae: focal person M.C. Daunay (France) -*

*Ad hoc group on Cucurbits: focal person F. Nuez (Spain) f*

*Ad hoc group on Leafy vegetables: focal person A. Lebeda (Czech Republic)*

After a small preliminary meeting in Rome (May 1999), the NCG met in Vila Real, Portugal (May 2000). The Group emphasized the importance of extending activities to a wider range of crops, and focal persons were selected to promote new informal (*ad hoc*) groups on Solanaceae (tomato, pepper and eggplant),

cucurbits and leafy vegetables (lettuce, spinach and chicory). The definition and implementation of a system for safety-duplication was suggested as a first item to be addressed at the Network level. Common elements requiring coordination and possible collaboration with other ECP/GR Networks (Minor Crops, Industrial Crops and Potato and Fruit Networks) were identified, such as problems related to the maintenance of vegetatively propagated crops. Available funds were allocated to the organization of meetings to be held back to back with the EU funded Gen Res project meetings on *Brassica*, Carrot, Eggplant and Melon. A Solanaceae *ad hoc* meeting was held in the Netherlands (September 2001), leading to the proposal to establish a new formal Working Group.

Working Groups on *Allium*, *Brassica* and Umbellifer crops did not meet during this Phase. However, they benefited from the activity of the EU Gen Res projects, even though a small number of Working Group members are involved in these. The *Allium* project ended in March 2000, while the *Brassica* and Carrot projects are ongoing.

The *Allium* WG focused on making the updated European *Allium* database available on the Internet. The database is being used to identify Most Original Samples of wild accessions. Field trials to identify duplicate accessions of onion and leek on morphological and agronomic characteristics were carried out. A few arrangements for safety-duplication between countries are in place, although not under formal agreements. Characterization work is slowly progressing. Collaboration for taxonomic identification is well established. A small technical meeting on vegetatively propagated *Allium* was held in Gatersleben (May 2001), where an integrated system for conservation was proposed, and phytosanitary standards and *in vitro* and cryopreservation methods were discussed. A project on the molecular characterization of all accessions in the European garlic and shallot collections was drafted, in order to identify duplicates and reduce the costs of conservation. However, no funding source was identified for this expensive project.

Ongoing activities of the *Brassica* WG are the definition of characterization descriptors for the European *Brassica* database; updating of the database and inclusion of evaluation data; and defining quality standards for regeneration procedures, improving safety duplication.

The Umbellifers Working Group has gathered information on the status of collections and the management and maintenance of collections. A European Umbellifer Database has been developed and is on-line searchable on the Internet. Minimum characterization descriptors have been developed for carrot. A successful collaboration for regeneration work has been carried out, with four national programmes (France, Italy, Poland and UK) contributing to regenerate endangered accessions of the *Daucus* collections of the Vavilov Institute (VIR), St Petersburg. Collaborative research and collecting activities were undertaken.

#### **IPGRI publications:**

- Report of the Vegetables Network Coordinating Group meeting, Vila Real, Portugal, May 2000;
- "Importance of Vegetables and their *ex situ* Conservation in Europe", a collection of tables and data compiled from FAO and IPGRI sources.

#### **Electronic documents:**

- Report of a preparatory meeting of the Vegetables Network Coordinating Group, Rome, Italy, May 1999: <http://www.ecpgr.cgiar.org/Publications/VegetablesNCG1.htm>.

#### **In preparation:**

- Report of an *ad hoc* meeting on vegetatively propagated *Allium*, Gatersleben, Germany, 21-22 May 2001;
- IPGRI descriptors for *Allium*.

#### **OUTLOOK**

*Ad hoc* meetings on Cucurbit, Umbellifer crops and *Brassica* genetic resources are respectively planned in Turkey (November 2001), United Kingdom (November 2001) and Portugal (February 2002), jointly with EU Gen Res meetings on Melon, Carrot and *Brassica*. A selected and limited number of experts from non-EU countries will be invited. An *ad hoc* meeting on leafy vegetables, possibly jointly with a Eucarpia meeting, is planned for 2003 in Wageningen (The Netherlands). A plenary Vegetables Network meeting is planned in 2003 to review progress made and to plan for the future. A proposal to establish a Working Group on Solanaceae is being presented to the attention of the Steering Committee by the coordinator of the EU funded Gen Res Eggplant project, Dr M.C. Daunay (Agenda Item 4).

#### **4.4 Grain Legumes Network**

*Network Coordinating Group (NCG) - M. Ambrose (United Kingdom); G. Duc (France), R. Schachl (Austria), W. Swiecicki (Poland).*

*Working Group on Grain Legumes – Chair: M. Ambrose (United Kingdom); Vice-Chair: G. Duc (France).*

The Grain Legumes WG met in Kraków, Poland, in July 2001, back to back with the meeting of the European Association for Grain Legume Research (AEP). The Network remains focused on bringing the entire Network Central Crop Databases to fruition with good passport and minimum characterization data. *Cicer*, *Glycine*, *Lupinus* and *Phaseolus* are already on-line, while *Lens*, *Pisum* and *Vicia faba* are due on-line by the end of 2001. Databases for *Arachis* and *Vigna* are under construction. The meeting identified the need to collate information on genebank quality standards and in particular on the regeneration practices for allogamous grain legume species. The Group decided to select a Network Coordinating Group among its members. The Network also maintained a linkage with the EU-funded FAIR project PHASELIEU (Improvement of Sustainable *Phaseolus* Production in Europe for Human Consumption). Among the outputs of the “Phaselieu” Group, are a Handbook on Evaluation of *Phaseolus* Germplasm, a Handbook on Common Bean Related Laboratory Methods and a Catalogue of Bean Genetic Resources. The emergency regeneration of part of the Cambridge *Phaseolus* collection was carried out by Italian research institutes (partially with ECP/GR funds). A first priority list of 403 accessions (last regenerated in 1990) were planted during Summer 1998 and the regenerated seed was sent in 1999 to Wellesbourne, UK, with safety-duplicates sent to Linz, Austria.

#### **In preparation:**

- Report of the third meeting of the Working Group on Grain Legumes, Kraków, Poland, July 2001.

#### **OUTLOOK**

No further Working Group meetings are planned during Phase VI. Proposals for small technical meetings are currently being prepared on regeneration of allogamous grain legume species (jointly with the AEP) and on *Arachis* genetic resources.

#### **4.5 Fruit Network**

*Network Coordinating Group (NCG) - I. Batlle (Spain); J. Blazek (Czech Republic); F. Dosba (France); M. Fischer (Germany); E. Giordani (Italy); E-J. Lamont (United Kingdom); M. Lateur (Belgium); R. Oger (Belgium); K. Tobutt (United Kingdom); A. Zanetto (France)*

*Working Group on Malus/Pyrus - Chair: M. Fischer (Germany); Vice-Chair: J. Blazek*

*Working Group on Prunus: – Chair: F. Dosba (France) Vice Chair: K. Tobutt (United Kingdom)*

The Fruit Network Coordinating Group met in Gembloux, Belgium, in November 1999. A draft agreement was approved for the establishment of a decentralized European *Prunus* collection. On this basis, curators would offer to maintain a number of European accessions for long-term conservation, to provide characterization data and to make the samples available in response to reasonable requests. Documentation and conservation activities remain priorities for the Network. Efforts are directed to

further develop the European fruit databases. The European *Malus* and *Prunus* databases are already available on-line. Task forces were established with the purpose of defining accepted accession names and their synonyms. The Group also intends to promote agreements on uniform standards for optimal conservation of fruit germplasm. Links with fruit experts of the ECP/GR Minor Crops Network have been established.

No Working Group meetings have been held during Phase VI.

#### **IPGRI publications:**

- Report of an Extraordinary meeting of the *Prunus* Working Group and the Third Coordination meeting of the Project Gen Res 61, Rheinfelden, Switzerland, December 1998.

#### **Electronic documents:**

- Report of the meeting of the Fruit Network Coordinating Group, Gembloux, Belgium, October 1999: <http://www.ecpgr.cgiar.org/publications/FruitNCG5.htm>.

#### **OUTLOOK**

A meeting of the *Malus/Pyrus* Working Group has been planned for May 2002 in Germany, at the occasion of the anniversary of the genebank in Dresden-Pillnitz.

A meeting of the full Network, involving the participation of the *Prunus* and *Malus/Pyrus* Working Group members, is planned for 2003, possibly in Hungary. The participation of a selected number of Network members in a meeting of the EUFORGEN Noble Hardwoods Network (United Kingdom, 2003) has been proposed, to take advantage of possible synergies.

A proposal to establish a Working Group on *Vitis* is being presented to the attention of the Steering Committee by the coordinator of the EU funded Gen Res *Vitis* project, Dr E. Dettweiler (Agenda Item 4).

#### **4.6 Industrial Crops and Potato Network**

*Network Coordinating Group (NCG) - B. Desprez (France); L. Frese, Germany; L. van Soest (Netherlands).*

*Working Group on Beta – Chair: L. Frese (Germany); Vice-Chair: B. Desprez (France)*

*Working Group on Potato – Chair: R. Hoekstra (The Netherlands); Vice Chair: M. Vetelainen (Nordic Gene Bank).*

The NCG met in Bury St Edmunds, United Kingdom, on 11 September 1999. A revised allocation of the Network funds was proposed, with a preference to hold separate meetings of the Working Groups. The first *Beta* and Potato meetings were held respectively in the United Kingdom (September 1999) and the Netherlands (March 2000). Both newly established *Beta* and Potato Working Groups made it possible to continue the collaboration started by the EU funded Gen Res projects and to extend it to non-EU countries. The *Beta* Working Group is considered an integral part of the World *Beta* Network.

The development of the databases has been at the centre of both Groups' activities. The *Beta* WG was the first Group to agree on mechanisms to share responsibilities, establishing a safety-duplication system and improving genebank quality standards. The Potato Working Group is also trying to define primary holders of potato varieties and to systematically implement safety-duplication. The NCG recommended increasing collaboration with the FAO/ESCORENA Networks on flax and fibre crops and on sunflower. A small meeting to discuss the development of an International *Beta* Core Collection was held in France (September 2000).

#### **IPGRI publications:**

- Report of the first meeting of the Working Group on *Beta*, Bury St Edmunds, United Kingdom, September 1999;
- Report of the first meeting of the Working Group on Potato, Wageningen, the Netherlands, March 2000.

#### **Electronic documents:**

- Report of the meeting of the Industrial Crops Network Coordinating Group, held in Bury St Edmunds, United Kingdom, September 1999: <http://www.ecpgr.cgiar.org/publications/IndCrops0999.htm>;
- Report of an *ad hoc* meeting of a Beta core collection task force, held in Capelle-en-Pévèle, France, September 2000: <http://www.ecpgr.cgiar.org/Publications/IBCCRep.pdf>.

## OUTLOOK

An *ad hoc* meeting on flax (Prague, Czech Republic, 7-8 December 2001) and the use of available funds for evaluation work was proposed to facilitate development of the International Flax database. The NCG proposed that both Beta and Potato groups hold a second meeting in 2002. The Potato meeting is planned in Hamburg, Germany, in July 2002, after the meeting of the European Association for Potato Research. The Beta meeting is planned for the end of 2002 (in Italy or Poland), jointly with the World Beta Network meeting and immediately followed by the NCG meeting.

### 4.7 Minor Crops Network

*Network Coordinating Group (NCG) - A. Alanko (Finland); D. Bari  $\diamond$ evi  $\diamond$  (Slovenia); I. Batlle (Spain); A. Della (Cyprus); F. Grassi (Italy); K. Hammer (Germany); M. Hulden (Nordic Gene Bank); A. Michalová (Czech Republic); M. Mitteau (France); A. Rosati (Italy).*

The meeting of the Minor Crops Network Coordinating Group was held in June 1999 in Turku, Finland. At the meeting, it was agreed that the range of crops eligible for the scope of the Network will be characterized by limited production and consumption levels and those usually restricted to specific areas where both ecological and market niches exist. It was suggested that the Network should maintain links with all the other crop Networks and therefore it should be represented as horizontal in the diagram of the operational structure of ECP/GR. Consensus emerged on the need to establish a Working Group on Medicinal and Aromatic Plants. Focal persons have been identified, in consultation with National Coordinators, for Minor Cereals (A. Michalová, Czech Republic), for Minor Fruits (Ignacio Batlle, Spain) and for Minor Vegetables (A. Rosati, Italy). They have the task of identifying a list of crops that should become the focus of the Network's activity and of starting collation of information related to the conservation and use of their genetic resources. A. Michalová and A. Rosati were invited to attend the NCG meetings of the Cereals and Vegetables Networks respectively, in order to strengthen inter-Network cooperation. I. Batlle was invited to be a member of the Fruit Network Coordinating Group. A strategy for minor cereals was proposed by the Minor Cereals focal person, who identified millets and buckwheat as the crops for priority action, on the basis of the criteria set out in Turku (1999). Similarly, the Minor Fruit focal person suggested quince, loquat and azarole for priority action.

### IPGRI publications:

- Report of the Minor Crops Network Coordinating Group meeting, Turku, Finland, June 1999.

## OUTLOOK

A proposal for the establishment of a Working Group on Medicinal and Aromatic plants is being presented to the Steering Committee by Prof K. Hammer and Dr D Bari  $\diamond$ evi  $\diamond$ .

A Minor Crops Network meeting is planned for the year 2002 or 2003, to review progress made by the focal persons.

### 4.8 Documentation and Information Network

A meeting to prepare a project proposal for the "Establishment of an European Plant Genetic Resources Information Infra-Structure" (EPGRIS) was held at IPGRI in Rome on 29-30 August 1999. The proposal was successfully submitted to the EC for funding through the Fifth Framework Programme for Research and Technology. CGN, The Netherlands (coordinator), IPGRI, NGB, BRG, France, RICP, Czech Republic,

INIA, Portugal and ZADI, Germany are partners in this project. Acting as sub-regional coordinators, they offer technical support and coordinate the creation of national PGR inventories by organizing regional meetings with the responsible documentation persons from each European country. The European Internet Search Catalogue (EURISCO), based at IPGRI in Rome, will include passport information of plant genetic resources maintained *ex situ* in Europe, to be frequently updated and publicly accessible via the Internet. The first coordination meeting of the project partners was held at IPGRI in Rome, Italy in December 2000. The ECP/GR Secretariat received nominations of country focal persons for EPGRIS representing 40 European countries. These documentation experts supported by the EU or by IPGRI are fully involved in the project, participating in three annual sub-regional meetings. The first round of meetings was held at RICP, Czech Republic, BRG, France, NGB, Sweden and INIA, Portugal in the Summer of 2001.

A revision of the IPGRI/FAO Multicrop passport descriptors is part of the exercise to define which descriptors will be used by EURISCO. This revision, coordinated by IPGRI in close consultation with the EPGRIS project, is expected to be concluded by December 2001. To address the concern expressed by some European Central Crop Database (ECCDB) managers that EPGRIS might take over their role, the project has produced a draft document clarifying the objectives of EPGRIS and its complementarity with the ECCDBs. The database managers will also be encouraged to concentrate their efforts on characterization and evaluation data. The project website, developed by the ECP/GR Secretariat, includes a list of national inventories and focal points, as well as further information on EPGRIS (<http://www.ecpgr.cgiar.org/epgris/index.htm>).

A **new ECP/GR website** was released in December 2000 with a new address (<http://www.ecpgr.cgiar.org>) and a new design (new logo), to be used for all ECP/GR products. The objective of the new site is to provide easier access to ECP/GR information, to raise the profile of ECP/GR and inform the public of the Programme's objectives, activities and outputs. Most of the information on the site is provided dynamically through databases to facilitate the management, updating and access to ECP/GR information. An increasing amount of documents is being made available in PDF format: these include the reports of the meetings of the Network Coordinating Groups and the most recent ECP/GR publications.

It should be noted that IPGRI has given new emphasis to providing on-line services. Therefore, most of the functions previously covered by the "European Information Platform" are now offered by the new site of the IPGRI Regional Office for Europe (<http://www.ipgri.cgiar.org/regions/europe/home.htm>). An entry page to access all the available on-line germplasm databases is now searchable at: <http://www.ipgri.cgiar.org/regions/europe/databases/eurdb.asp>.

The **ECP/GR Steering Committee listserver** ([ecpgr\\_steering@ngb.se](mailto:ecpgr_steering@ngb.se)) was constantly used to good effect by most of the National Coordinators during Phase VI.

The **ECP/GR public listserver** ([ecpgr\\_list@ngb.se](mailto:ecpgr_list@ngb.se)) was used only occasionally by its subscribers. It is suggested to still maintain both listservers functional, since they both offer a useful instrument of communication. The Nordic Gene Bank is thanked for their effort in maintaining the listservers operational throughout Phase VI.

#### **Electronic documents:**

- Internet Advisory Group meeting, Rome, Italy, August 1999:  
<http://www.ecpgr.cgiar.org/Publications/IAG0899.htm>;
- ECP/GR Home Page: <http://www.ecpgr.cgiar.org>;
- EPGRIS Home Page: <http://www.ecpgr.cgiar.org/epgris/index.htm>;
- IPGRI Regional Office for Europe Home Page:  
<http://www.ipgri.cgiar.org/regions/europe/home.htm>.

#### **OUTLOOK**

A Documentation Network meeting was planned for the second part of Phase VI. However, the EPGRIS project is funded to hold a final meeting in 2003, involving all the partners and national focal persons. Therefore it seems more appropriate to use available ECP/GR funds to ensure the participation of non-EU funded countries in the various EPGRIS meetings, as well as to support different initiatives, rather than to use the funds to hold the planned Documentation Network meeting.

Prototype ECP/GR web pages offering information on specific Networks' activities, as well as the availability of related products, have been prepared and will be made public before the end of the year 2001.

#### **4.9 Inter-regional Cooperation Network**

*Task Force on Inter-Regional Cooperation - M. Broggio (Italy); C. De la Cuadra (Spain); L. Dotlacil (Czech Republic); F. Grassi (Italy); V. Megli  $\phi$  (Slovenia); N. Stavropoulos (Greece); E. Thörn (Nordic Gene Bank); L. Visser (The Netherlands); B. Weiskopf (Germany).*

The **Inter-Regional Cooperation Task Force** held two meetings during Phase VI, the first in Florence, Italy, in October 1999 and the second in Prague, Czech Republic, in May 2001. The Task Force suggested changing the name of this Network to "Inter-Regional Cooperation Network" and agreed that the main objective of the Network should be to enhance collaboration between European partners involved in PGRFA development cooperation and developing countries. A collection and processing of relevant information was undertaken, in order to obtain a better overview of existing activities:

1. Inventory of scientific and technical cooperation in PGRFA in Europe (some information obtained, but still very incomplete);
2. Assessment of needs and priorities of other Networks (basic insights were obtained);
3. Database of European funding opportunities for activities/projects in other regions (information obtained on funding conditions of more than 100 organizations);
4. Directory of European and national NGOs active in technical cooperation (scarce information obtained);
5. Directory of specialists on PGRFA in Europe (scarce information obtained).

The Task Force decided to set its priorities in consultation with a selected number of regional Networks: WANANET (West Asia/North Africa), SPGRC (Southern Africa), REMERFI (Central America), CAN-PGR (Central Asia). Contacts were also made with EAPGREN (Eastern Africa) and GRENEWECA (West and Central Africa).

Project proposals to use available funds were prepared on three topics: *In situ* and on-farm conservation and management; Documentation and information system development; Policy issues.

#### **Electronic documents**

- Report of the second meeting of the Inter-regional Cooperation Task Force, 11-12 May, 2001, Prague, Czech Republic [http://www.ecpgr.cgiar.org/Publications/IRC\\_report2.doc](http://www.ecpgr.cgiar.org/Publications/IRC_report2.doc)

#### **OUTLOOK**

Three project proposals for the use of available funds have been presented to the Steering Committee. Task force members would be involved in the implementation and follow up of these projects, provided the Committee's approval.

#### **4.10 *In situ* and On-farm Conservation Network**

*Task Force on On-farm Conservation and Management - V. Negri - Chair (Italy); M. Angelini (Italy); H. Becker (Germany); M. Bossard (Switzerland); P. Freudenthaler (Austria); B. Horneburg (Germany); G. Kleijer (Switzerland); M. Mitteau (France); W. Podyma (Poland); J. Rode (Slovenia); J.J. Ruiz Martínéz (Spain); N.*

Maxted (United Kingdom); A. Sartori (Italy); N. Stavropoulos (Greece); Z. Stehno (Czech Republic); S. Strajeru (Romania); M. Veteläinen (Nordic gene Bank); L. Visser (The Netherlands)

Task Force on Wild Species Conservation in Genetic Reserves - N. Maxted – Chair (United Kingdom); Y. Anikster (Israel); M. Gustafsson (Sweden); I. Hjalmarsson (Nordic Gene Bank); J. Iriondo (Spain); V. Megli (Slovenia); M. Mitteau (France); V. Negri (Italy); N. Rybianski - observer (EuroMAB); S. Samaras (Greece); Z. Stehno (Czech Republic); R. Wingender (Germany).

A joint meeting of the Task Forces for “Wild Species Conservation in Genetic Reserves” and for “On-farm Conservation and Management” was held in Italy, in May 2000. The main objectives of the Task Forces are to bring together and enhance collaboration between the different European partners involved; identify priorities; and enhance joint fund raising efforts for *in situ* and on-farm conservation in Europe.

The workplan agreed by the Task Force on “**Wild Species Conservation in Genetic Reserves**” includes the preparation of: (1) a preliminary inventory of existing examples of *in situ* conservation projects in Europe; (2) a consolidated list of guidelines and methodologies for the practical implementation of *in situ* conservation of crop wild relatives; (3) a list of research papers related to the genetic reserve conservation of crop wild relatives and to mathematical modeling systems for predicting changes as a result of management interventions. Additionally, the preparation of project proposals for *in situ* conservation of wild cereals and wild brassicas were prioritized. A research project to locate, catalogue and assist in the genetic reserve conservation of PGRFA species of Europe was developed by the Task Force and submitted for funding to the EU in February 2001 (the project coordinator is Nigel Maxted of Birmingham University, UK). A preparatory meeting took place at IPGRI in Rome in December 2000, but the project was eventually unsuccessful.

The workplan agreed by the Task Force on “**On-farm Conservation and Management**” includes the preparation of an inventory of experiences in Europe, as a basis to identify gaps and opportunities for collaborative work for the conservation of landraces and old varieties. A subgroup has been formed to investigate possible solutions for improved legislation for the free exchange and use of non-registered seeds in relation to the reception of Directive 98/95/CE. A subgroup will also be looking at the documentation needs and appropriate descriptors for the inclusion of data derived from farmers' knowledge and on-farm management into crop databases. Several mechanisms for improving relations between institutions from the formal and informal sectors have been identified, including greater representation and participation of NGOs in ECP/GR activities. A proposal was made for a pilot study looking at the genetic diversity of landraces conserved in the Carpathian areas of Romania and studying the process including socio-economic reasons for conservation and management.

#### **IPGRI publications**

- Report of the joint meeting of a Task Force on Wild Species Conservation in Genetic Reserves and a Task Force on On-farm Conservation and Management, Isola Polvese, Italy, May 2000.

#### **OUTLOOK**

The Task Force on wild species is preparing a second project application for a thematic network on “European wild plant diversity assessment and conservation”, to be submitted to the EU by 15 October 2001.

A project proposal for the use of available funds to survey genetic diversity of Romanian traditional crop varieties and landraces conserved on-farm is being submitted to the Steering Committee for approval.

A concept note to propose the use of available funds for an information gathering exercise is expected to be presented to the attention of the Steering Committee by the Task Force. Information to be gathered would include a catalogue of possible joint formal/informal initiatives; a concept paper on methodologies for the conservation of traditional varieties; and an inventory of existing informal databases and relevant bibliographies.

No further meetings of the Task Forces are planned during Phase VI.

## **5. Complementary Programme Modules and collaboration with EU programme EC 1467/94**

In its Seventh meeting (Braunschweig, 1998) the Steering Committee recommended that the Secretariat request voluntary contributions for the funding of complementary modules, in order to undertake activities related to the implementation of GPA priorities. At the start of Phase VI, the Secretariat requested all the member countries to offer contributions for emergency actions, for cooperation with EU-funded projects and for training activities. A second request was sent later, specifically targeted to collaboration with project Gen Res 104 on Barley. Overall, a limited but appreciated response came from a few countries and a total of US\$ 28,246 was raised, all specifically targeted to collaboration with EU projects. As mentioned in previous progress reports (see also Mid-term Financial Report), these funds enabled considerable cooperation with EU projects on *Avena*, Barley, Carrot and *Vitis*. Collaboration with the EU *Brassica*, Eggplant and Melon projects is also ongoing, thanks to core budget funds.

In June 2000, the ECP/GR Coordinator attended the meeting convened by the European Commission in Brussels, Belgium, to discuss the future of the EU Programme EC 1467/94, following the evaluation made by a group of experts. The invitation was reiterated for the EC to become a member of the Steering Committee of ECP/GR. According to the meeting and to our further contacts with the Commission, a continuation of the EC programme is expected, with emphasis given to *in situ* and on-farm conservation. The eligibility for non-EU countries to participate in the new EC Programme would be very welcome and would reduce the need for ECP/GR to intervene with complementary action.

The attempt to raise voluntary funds for other activities can be continued in the future. The inventory of funding sources, recently developed by the Secretariat, within the framework of the Inter-regional Cooperation Network, can offer useful insights on the existence of appropriate donors. It would, however, be necessary for *ad hoc* groups within ECP/GR to further develop the concepts of complementary modules before proposals can be submitted to possible donors.

## **6. ECP/GR and the Braunschweig recommendations**

While the operative basis for and the governance of the implementation of the Global Plan of Action (GPA) clearly lie with the national programmes, a number of priority activities of this Global Plan gain in effectiveness if they are facilitated by a regional hub. ECP/GR lacks the core resources to be pro-active in all relevant activities. However, some of the activities carried out within the Networks during Phase VI have gone in the direction recommended by the Braunschweig Symposium on the implementation of Priority Activities (PA) of the GPA in Europe (Germany, 1988):

### **Wild relatives of cultivated crops (PA 4)**

The Task Force on “Wild Species Conservation in Genetic Reserves” has been established, jointly with a Task Force on “On-farm Conservation and Management”. It has included in its workplan the preparation of an inventory of genetic reserve conservation projects and an inventory of existing guidelines for the establishment and management of genetic reserves. The joint Task Force established links with EuroMAB and is developing project proposals to assess the genetic diversity of European wild crop relatives and to develop appropriate methodologies for conservation.

### **On-farm management (PA 2)**

A Task Force on “On-farm Conservation and Management” was established, including NGO representatives among its members. The Task Force carried out an inventory of on-farm management experiences in Europe, discussed the problems of definition of “on-farm conservation and management” and offered a forum to improve communication and information exchange between the formal and informal sectors.

### **Sustaining *ex situ* collections. The rationalization of regenerating methods (PA 5 and PA 6)**

The Forages Working Group has developed and agreed on regeneration guidelines for the main perennial forage grasses and legumes of temperate grasslands (Sixth meeting) and has discussed experiences with the adoption of minimum standards (Seventh meeting). The *Brassica* WG is rationalizing regeneration procedures and identifying an official common regeneration procedure. The Grain Legumes WG is organizing a workshop to discuss the genetic problems of regeneration of allogamous grain species. Emergency regeneration has been carried out by Network partners for *Phaseolus* accessions of the Cambridge collection and for carrots from the Vavilov Institute.

### **Utilization of plant genetic resources (PA 9 and PA 10)**

Several Working Groups have collaborated on the development of core collections (*Avena*, *Brassica*, *Beta*, Barley, *Lolium*, Garlic, etc.). Discussion for the preparation of a base-broadening project is ongoing in the Barley WG.

### **Seed production and distribution (PA 13)**

The “On-farm Conservation and Management Task Force” has included in its workplan the objective to collect information regarding seed legislation, with special attention to variety registration fees and the state of laws permitting the use and trade of landraces in Europe.

### **Underutilized crops (PA 12)**

The Network Coordinating Group on Minor Crops has gathered information on existing platforms and expertise dealing with the conservation and sustainable use of genetic resources of underutilized crops. It has started to define priority crops for action in Europe.

### **Collaboration with other regions (PA 16)**

A Task Force on Inter-Regional Cooperation has been established. It has started to increase the level of information exchange.

### **Information systems (PA 17)**

ECP/GR has offered the most appropriate framework for the preparation and development of the EPGRIS project, which is going to facilitate the development of national information systems and of a regional information hub, as well as it offers training schemes: At the same time ECP/GR, through its CCDBs, facilitates the development of a relational structure of databases, linked to agreed standards.

## **7. Sharing of responsibilities**

A document prepared towards the definition and implementation of a European *Prunus* collection was finalized by the Fruit Network. Database managers of the *Beta* and Forages Groups have started to identify the Most Original Samples (MOS), in order to propose that their curators accept responsibility for conservation. The Cereals Network Coordinating Group has also agreed that the three Working Groups (*Avena*, Barley and Wheat) start applying a mechanism to identify MOS. It is proposed in this case that curators offer to take responsibility for maintenance and distribution to *bona fide* users of a list of accessions (suggested criteria: material of local origin, unique material) and inform the DB manager of their offer. DB managers would combine the lists received from curators and identify gaps in the responsibility net. The Working Group on Barley subsequently adopted this proposal during its meeting in December 2000. An *ad hoc* group on vegetatively propagated *Allium* has proposed to establish an inter-institute network of vegetative *Allium* collections (See background document for Agenda Item 2-B: A collection of mechanisms proposed by the different Working Groups to share responsibilities for conservation).

In parallel with the efforts of the Working Groups to implement systems for responsibility sharing, a questionnaire was prepared by the Secretariat, in consultation with a small Task Force of experts, to be sent to the institutes through the National Coordinators. The results of over 190 replies received have been

analyzed by the Secretariat and an outline prepared, in consultation with the task force, for the Steering Committee. Support for the concept of responsibility sharing is shown to be very high among the respondents.

## 8. Material Transfer Agreements

The process of consultation to define a model for Material Transfer Agreement (MTA), which could be generally adopted by genebanks in Europe, was concluded by the Task Force coordinated by L. Visser, CGN The Netherlands. The results of a questionnaire, as well as a draft model text were distributed to all the National Coordinators. This text is tabled as a background document for discussion during the Eighth Steering Committee meeting (Agenda Item 2-A). The objective is that the Committee endorses final text(s) for use by genebanks throughout Europe.

## 9. Link with other Networks and initiatives

During Phase VI, links were established between ECP/GR and the following initiatives:

- **AEP (European Association for Grain Legume Research).** A joint meeting of the Grain Legumes Network and the AEP was organized in Kraków, Poland, in July 2001 (see above, chapter 4.4) The ECP/GR Coordinator presented the ECP/GR grain legumes activity during the AEP symposium.
- **Council of Europe.** The Secretariat was an observer in the meeting of the Group of Plant Experts of the Council of Europe, in the framework of the Bern Convention on the conservation of European wildlife and natural habitats (Strasbourg, France, March 1999).
- **EUCARPIA.** The Secretariat attended the Leafy vegetables '99 meeting, Olomouc, Czech Republic, June 1999 and the XVI Genetic Resources Section Symposium in Radzikow, Poland, May 2001, where a general presentation on ECP/GR was given.
- **EuroMAB Conference.** The participation of N. Maxted (University of Birmingham, UK) on behalf of ECP/GR in the EuroMAB Conference, Cambridge, UK, 10-14 April 2000, was supported by ECP/GR. N. Maxted gave a presentation about ECP/GR and its activities within the *In situ* and On-farm Conservation Network.
- **European Commission.** Meeting convened by the European Commission in Brussels, Belgium, to discuss the future of the EU Programme EC 1467/94 (see above, chapter 5).
- **FAO/SCORENA Networks.** Links have been established within the framework of the Industrial Crops and Potato Network (see above, chapter 4.6).
- **Global IPGRI *in situ* initiative.** The ECP/GR Coordinator, as a team member of the IPGRI *in situ* project, participated in a on-farm workshop in Hungary, thereby facilitating the establishment of a Hungarian component of the project on "Strengthening the scientific basis of *in situ* conservation of agricultural biodiversity".
- **NGO/GO linkages.** The Secretariat attended a conference jointly organized in June 1999 at Ryton Gardens, UK, by the UK Plant Genetic resources Group and the Henry Doubleday Research Association, to enable better communication between Governmental and Non-Governmental Organizations.
- **NGO SAVE.** The ECP/GR Coordinator participated in the meeting on "Rare breeds and plant varieties in the Carpathian mountains", organized by the Swiss NGO Monitoring Institute (affiliated to the NGO SAVE) in Suceava, Romania, May 1999. He subsequently became a member of the SAVE Project Commission.
- **PHASELIEU.** An EU funded FAIR project on improvement of sustainable *Phaseolus* production in Europe. The link with the Grain Legumes Network was maintained. The ECP/GR Coordinator participated in a Phaselieu meeting in Viterbo, Italy (June 1999), explaining the operation of ECP/GR. He also provided a preface to the Phaselieu Catalogue of Bean Genetic Resources.

- **Planta Europa.** The Secretariat participated in the meeting for the development of a European Plant Conservation Strategy (Prague, April 2001).
- **WBN (World Beta Network).** The Working Group on *Beta* is an integral part of the WBN and the meetings are jointly organized (see above, chapter 4.6).

## 10. Forthcoming ECP/GR meetings

### Meetings planned for the remaining part of 2001

- First meeting of the Wheat Working Group, Prague, Czech Republic, 8-10 November 2001;
- *Ad hoc* meeting on Carrot Genetic Resources, jointly with Gen Res project 105, Edinburgh, United Kingdom, 22-23 November 2001;
- *Ad hoc* meeting on Cucurbit Genetic Resources jointly with Gen Res project 108, Adana, Turkey, end of November 2001;
- *Ad hoc* meeting on Flax Genetic Resources, Prague, Czech Republic, 7-8 December 2001.

### Meetings planned for 2002 and 2003

- *Ad hoc* meeting on *Brassica* Genetic Resources, jointly with Gen Res project 109-112, Vila Real, Portugal, 7-8 February 2002;
- Second meeting of a *Malus/Pyrus* Working Group, Dresden-Pillnitz, Germany, 2-5 May 2002;
- Second meeting of the Potato Working Group, Hamburg, Germany, July 2002;
- Second meeting of the *Beta* Working Group, jointly held with the World *Beta* Network meeting and the second meeting of the Network Coordinating Group, Italy or Poland, end of 2002;
- Meeting of the Minor Crops Network (2002, to be confirmed);
- *Ad hoc* meeting on leafy vegetables (2002 or 2003, to be confirmed);
- Meeting of the Cereals Network (2003, to be confirmed);
- Meeting of the Fruit Network (Hungary 2003, to be confirmed);
- Meeting of the Vegetables Network (2003, to be confirmed);
- Ninth meeting of the Steering Committee (Israel, 2003, to be confirmed).

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The contribution given to the work of ECP/GR by several IPGRI colleagues during the first part of Phase VI is gratefully acknowledged. In particular, Lidwina Koop, Brigitte Laliberté, Elinor Lipman, Marisa Sartore and Olga Spellman.

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Roma, 11 October 2001

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**Table 1. ECP/GR Annual contributions received for 1999, 2000 and 2001 (US\$)**

Participating country	Contributions for 1999	Contributions for 2000	Contributions for 2001	Outstanding
<b>(Phase VI)</b>				
Albania				2,000
Armenia				4,000
Austria	12,500			25,000
Belgium	12,500	12,500	12,500	
Bulgaria	2,000	2,000	2,000	
Croatia	5,000	5,000	5,000	
Cyprus	5,000	5,000		5,000
Czech Republic	7,500	7,500	5,000	2,500
Denmark	12,500	12,500	12,500	
Estonia	2,000	2,000	2,000	
Finland	7,500	7,500		7,500
France	35,000	35,000	35,000	
Germany	35,000	35,000	35,000	
Greece				22,500
Hungary	7,500	7,500	7,500	
Iceland				15,000
Ireland	7,500	7,500		7,500
Israel	7,500	7,500		7,500
Italy				105,000
Lithuania	2,000	2,000	2,000	
Macedonia FYR	2,000	2,000	2,000	
Malta	2,000	2,000	2,000	
Netherlands	12,500	12,500	12,500	
Norway	12,500	12,500	12,500	
Poland	7,500	7,500	7,500	
Portugal	7,500	7,500	7,500	
Romania	5,000	5,000		5,000
Slovakia	5,000	5,000		5,000
Slovenia	5,000	5,000	5,000	
Spain	12,500	12,500	12,500	
Sweden	12,500	12,500	12,500	
Switzerland	12,500	12,500		12,500
Turkey	7,500	7,500	7,500	
UK	35,000	35,000	35,000	
Yugoslavia F.R.	5,000	5,000	5,000	
<b>Total</b>	<b>305,000</b>	<b>292,500</b>	<b>240,000</b>	<b>224,000</b>

Receipts Phase VI received by 9 October 2001 837,500

Total outstanding receipts Phase VI 224,000

**Table 2. ECP/GR Phase VI - 1999, 2000 and 2001 (estimates) Expenses (US\$)**

	Budget 1999, 2000 and 2001	EXPENDITURE				BALANCE
		1999	2000	2001 (estimate)	TOTAL	
Full-time ECP/GR Network Coordinator	246,000	77,862	76,341	77,000	231,203	14,797
Secretarial support	131,400	35,600	32,659	51,000	119,259	12,141
Official travel	36,000	10,523	4,839	12,000	27,362	8,638
Network operations	300,000	63,094	44,421	84,250	191,765	108,235
Steering Committee mtgs.	45,000	0	0	40,000	40,000	5,000
Publications	40,000	0	13,460	16,000	29,460	10,540
European Internet Platform	18,000	0	2,418	3,000	5,418	12,582
Newsletter	9,000	3,341	3,044	3,000	9,385	(385)
Communication and office consumables	30,000	10,000	10,000	10,000	30,000	0
Overhead (indirect support) 13% (1)	111,202	29,280	26,670	38,513	94,463	16,739
<b>TOTAL</b>	<b>966,602</b>	<b>229,701</b>	<b>213,852</b>	<b>334,763</b>	<b>778,315</b>	<b>188,287</b>

Total contributions received (as of 9 October 2001)  
 Total expenditures (estimate end of 2001)  
 Balance of Phase VI

837,000
778,315
<b>58,685</b>

Total Budget Phase VI  
 Estimated total income for Phase VI (based on 1999 income)  
 Difference

1,739,974
1,525,000
<b>214,974</b>

1. This includes provision of space in IPGRI headquarters, the input and time of IPGRI professional staff, etc. 13% overhead was applied on all funds spent (including expenditures related to Phase V reports and to complementary modules)

**INDUSTRIAL CROPS AND POTATO NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
NCG meeting	20,000
Cereals Network meeting	30,000
<b>Total</b>	<b>50,000</b>

<b>Revised budget</b>	
September 1999	NCG meeting 583
March 2000	First Potato WG meeting 6,396
<b>December 2001</b>	<i>Ad hoc</i> flax meeting 5,330
<b>July 2002</b>	Second Potato WG meeting 5,000
<b>Year 2002</b>	Flax germplasm evaluation 19,691
<b>Year 2002</b>	Second Beta WG meeting 10,000
<b>Year 2003</b>	2nd NCG meeting 3,000
	<b>Total 50,000</b>

<b>Small technical meetings</b>		
September 1999	First Beta WG meeting	8,890
September 2000	Beta Core collection meeting	3,211
	<b>Total</b>	<b>12,101</b>

**MINOR CROPS NETWORK: Mid-term financial report- US\$**

<b>Original budget (Braunschweig 1998)</b>	
NCG meeting	20,000
Ad hoc meeting	30,000
<b>Total</b>	<b>50,000</b>

<b>Revised budget</b>			
June 1999	NCG meeting		11,171
<b>Year 2002</b>	<i>Ad hoc</i> meeting		30,000
	Available for actions		8,829
	<b>Total</b>		<b>50,000</b>

**VEGETABLES NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
NCG meeting	20,000
Cereals Network meeting	30,000
<b>Total</b>	<b>50,000</b>

<b>Revised budget</b>	
May 2000	NCG meeting 6,456
September 2001	<i>Ad hoc</i> on Solanaceae 5,635
<b>November 2001</b>	<i>Ad hoc</i> on Cucurbits 4,909
<b>February 2002</b>	<i>Brassica</i> extra day 3,000
<b>Year 2003</b>	Vegetables Network meeting 30,000
	<b>Total 50,000</b>

<b>Small technical meetings</b>		
May 1999	Pre-NCG meeting	1,304
May 2001	Vegetatively propagated <i>Allium</i>	8,715
<b>November 2001</b>	<i>Ad hoc</i> on Umbellifer crops	3,000
<b>Year 2002</b>	<i>Ad hoc</i> on Leafy vegetables	3,000
	<b>Total</b>	<b>16,019</b>

**IN SITU AND ON-FARM CONSERVATION NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
<i>In situ</i> conservation (task force)	20,000
On-farm management (task force)	20,000
<b>Total</b>	<b>40,000</b>

<b>Revised budget</b>	
May 2000	<i>In situ</i> conservation and on farm management (task forces) meeting 15,983
<b>Year 2002</b>	On-farm Romania project? 5,000
<b>Year 2002</b>	NGO project? 5,000
	Available for actions 14,017
	<b>Total 40,000</b>

<b>Small technical meetings</b>	
December 2000	EU <i>in situ</i> project preparation 5,837
	<b>Total 5,837</b>

**INTER-REGIONAL COOPERATION NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
technical cooperation (task force)	20,000
technical cooperation (ad hoc meeting)	20,000
<b>Total</b>	<b>40,000</b>

<b>Revised budget</b>		
October 1999	First task force meeting	5,396
May 2001	II task force meeting	4,376
<b>Year 2002</b>	Policy project?	5,000
<b>Year 2002</b>	Documentation project?	10,000
<b>Year 2002</b>	<i>In situ</i> project?	5,000
	Available for action	10,228
	<b>Total</b>	<b>40,000</b>

**DOCUMENTATION AND INFORMATION NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
Documentation and Information meeting	50,000
<b>Total</b>	<b>50,000</b>

<b>Revised budget</b>	
Summer 2001	EPGRIS meetings (non EU focal persons) 4,100
<b>Summer 2002</b>	EPGRIS meetings (non EU focal persons) 4,100
<b>Summer 2003</b>	EPGRIS meetings (non EU focal persons) 4,100
	Available for actions 37,700
<b>Total</b>	<b>50,000</b>

<b>Small technical meetings</b>	
August 1999	Preparatory meeting for EPGRIS 4,380
	<b>Total 4,380</b>

**Table 3. Complementary Modules - 1999, 2000 and 2001 Contributions and Expenses (US \$)**

<b>CONTRIBUTIONS</b>	
Germany 1999	5,000
Slovenia 1999	500
Germany 2000	5,000
United Kingdom 2000	5,921
Finland 2000	4,325
Spain 2000	2,500
Germany 2001	5,000
<b>Total</b>	<b>28,246</b>

<b>EXPENDITURES</b>	
Cooperation with EU funded projects 1999	6,452
Cooperation with EU funded projects 2000	15,972
Cooperation with EU funded projects 2001 (estimate)	4,054
	<b>26,478</b>

Note:

These funds were used to support the participation of Cyprus, Bulgaria, Czech Republic, Israel, Poland, Romania, Slovakia and Russian Federation to the first and second meeting of the EU-funded project on Barley and for non EU complementary activities of Czech Republic, Romania, Russian Federation, Poland and Slovakia in the EU funded Gen Res Barley project. They were also used to support the participation of Poland to two meetings of the EU funded carrot project; of Poland and Russian Federation to one meeting of the EU funded Avena project; of Bulgaria, Croatia, Hungary and Yugoslavia F.R. to one EU funded Vitis project meeting.

Total contributions received	28,246
Total expenditures	26,478
Balance of Module	<b>1,768</b>

**Table 4. Financial Status of ECP/GR - END of Phase V**

<b>ECP/GR Phase V fund balance 31.12.00</b>	<b>(33,262)</b>
Received outstanding contributions:	
Italy 1996	27,842
Outstanding contributions:	
Greece 98	5,000
Italy 96	1,966
To be transferred to Phase VI	<b>(1,546)</b>
<b>Final balance</b>	<b>0</b>

**Table 5. Small technical meetings (Mid-term financial report - October 2001)- US\$**

<b>Date</b>	<b>Meeting</b>	<b>Expenses/budget</b>
May 1999	Pre-NCG meeting	1,304
August 1999	Preparatory meeting for EPGRIS	4,380
September 1999	First Beta WG meeting	8,890
September 2000	Beta Core collection	3,211
December 2000	6th Barley WG meeting	4,264
December 2000	pre-breeding in barley	1,897
December 2000	EU in situ project preparation	5,837
May 2001	Vegetatively propagated Allium	8,715
<b>Planned meetings:</b>		
November 2001	Ad hoc on Umbellifer crops	3,000
November 2001	First Wheat WG meeting -2	7,706
Year 2002	Ad hoc on Leafy vegetables	3,000
	<b>Total spent + allocated</b>	<b>52,204</b>
	<b>Available</b>	<b>58,596</b>
	<b>Budget Phase VI</b>	<b>110,800</b>

**CEREALS NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
NCG meeting	25,000
Cereals Network meeting	30,000
<b>Total</b>	<b>55,000</b>

<b>Revised budget</b>		
July 2000	NCG meeting	4,612
December 2000	Non EU barley project	14,241
<b>November 2001</b>	First Wheat WG meeting -1	6,147
<b>Year 2003</b>	Cereals Network meeting	30,000
	<b>Total</b>	<b>55,000</b>

<b>Small technical meetings</b>		
December 2000	6th Barley WG meeting	4,264
December 2000	pre-breeding in barley	1,897
<b>November 2001</b>	First Wheat WG meeting -2	7,706
	<b>Total</b>	<b>13,867</b>

**FORAGES NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
Full Network meeting	30,000
<b>Total</b>	<b>30,000</b>

<b>Revised budget</b>			
November 1999	Full Network meeting		23,738
	Available for actions		6,226
	<b>Total</b>		<b>29,964</b>

**FRUIT NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
NCG meeting	20,000
Full Network meeting	30,000
<b>Total</b>	<b>50,000</b>

<b>Revised budget</b>	
November 1999	NCG meeting 3,216
<b>May 2002</b>	2nd Malus/Pyrus meeting 10,000
<b>Year 2003</b>	Full Network meeting 30,000
	Available for actions 6,784
	<b>Total 50,000</b>

**GRAIN LEGUMES NETWORK: Mid-term financial report - US\$**

<b>Original budget (Braunschweig 1998)</b>	
Full Network meeting	30,000
<b>Total</b>	<b>30,000</b>

<b>Revised budget</b>		
July 2001	Full Network meeting	18,181
	Available for actions (Arachis meeting?)	11,819
	<b>Total</b>	<b>30,000</b>